

ABSTRACT

A nonaqueous gel composition for tooth whitening,
5 comprising: (A) tooth whitening ingredient having a relative
permittivity of 17.0 to 43.0 (at 25°C) and a vapor pressure
of 0 to 7000 kPa (at 25°C), (B) substance that is soluble in
the tooth whitening ingredient and is precipitated by an
aqueous solution of calcium chloride, and (C) gelling agent,
10 which nonaqueous gel composition contains substantially none
of water and peroxide. This tooth whitening component can
penetrate into the enamel surface layer of teeth to thereby
alter the optical properties, such as refractive index and
reflectance, of the enamel so that the enamel is apparently
15 whitened. The whitened teeth can be restored to the original
tooth color in a reversible manner in the presence of water.
Further the persistence of reversible whitening effect can be
strikingly enhanced by the nonaqueous gel composition.